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Atty. Dkt. No. 040679-1209

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mitsuru IWASAKI et al.
Title: CORE STRUCTURE OF INTEGRAL
HEAT-EXCHANGER
Appl. No.: 09/778,860
Filing Date: 02/08/2001
Examiner: Christopher M. Atkinson
Art Unit: 3743

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OCT 22 2002
TECHNOLOGY CENTER R3700

AMENDMENT TRANSMITTAL

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small Entity status under 37 C.F.R. § 1.9 and § 1.27 has been established by a Small Entity statement previously submitted.
- ☐ Small Entity statement is enclosed.
- ☒ The fee required for additional claims is calculated below:

	Claims as Amended	Previously Paid For	Extra Claims Present	Rate	Additional Claims Fee
Total Claims:	25	24	1	x \$18.00	\$18.00
Independents:	2	3	0	x \$84.00	\$0.00
First presentation of any Multiple Dependent Claims:			+	\$280.00	\$0.00
CLAIMS FEE TOTAL:					\$18.00

- ☒ Applicant hereby petitions for an extension of time under 37 C.F.R. §1.136(a) for the total number of months checked below:

<input type="checkbox"/>	Extension for response filed within the first month:	\$110.00	\$0.00
<input checked="" type="checkbox"/>	Extension for response filed within the second month:	\$400.00	\$400.00
<input type="checkbox"/>	Extension for response filed within the third month:	\$920.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fourth month:	\$1,440.00	\$0.00
<input type="checkbox"/>	Extension for response filed within the fifth month:	\$1,960.00	\$0.00
EXTENSION FEE TOTAL:			\$400.00
CLAIMS AND EXTENSION FEE TOTAL:			\$418.00
<input type="checkbox"/>	Small Entity Fees Apply (subtract ½ of above):		\$0.00
TOTAL FEE:			\$418.00

- ☐ Please charge Deposit Account No. 19-0741 in the amount of \$418.00. A duplicate copy of this transmittal is enclosed.
- ☒ A check in the amount of \$418.00 is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date October 17, 2002

By Frederic T. Tenney

FOLEY & LARDNER
Customer Number: 22428



22428

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. 040679-1209

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In re Patent Application of

Mitsuru IWASAKI et al.

Serial No. 09/778,860

Group Art Unit: 3743

Filed: 02/08/2001

Examiner: Christopher M. Atkinson

For: CORE STRUCTURE OF INTEGRAL HEAT-EXCHANGER

**REPLY AND AMENDMENT
UNDER 37 C.F.R. § 1.111**

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Commissioner for Patents
Washington, D.C. 20231

OCT 22 2002

TECHNOLOGY CENTER R3700

Sir:

Responsive to the Office Action mailed May 22, 2002, please amend the above-captioned application as follows.

IN THE SPECIFICATION:

In accordance with 37 C.F.R. § 1.121(b)(1), please amend the specification by substituting the following paragraphs for the corresponding paragraphs originally filed, as indicated below. The changes are shown explicitly in the attached "Version with Markings to Show Changes Made."

Please replace paragraph starting on page 2, line 4 and line 12 with the following:

A1
Since the connection part 3a is formed with the cut-out parts 3d and the louvers 3e in this core structure, and the heat transfer through the corrugated fins 3 is obstructed by the cut-out parts 3d and the louvers 3e in the core part of this integral heat-exchanger, it is possible to restrain thermal interference such that heat is transferred, for example, from the higher temperature second heat-exchanger tubes 2 toward the lower temperature first heat-exchanger tubes 1 through the intermediary of the corrugated fins 3.